

SYSTEM AND METHOD FOR IMPLEMENTING MULTIPLE
INSTANTIATED CONFIGURABLE PERIPHERALS IN A CIRCUIT
DESIGN

ABSTRACT OF THE DISCLOSURE

5 A method for structuring hardware description language code characterizes a peripheral design so as to facilitate multiple use of the code with different peripheral design configurations in a chip. The code provides one or more configuration options for the
10 peripheral design in a configuration section of the hardware description language code. The one or more configuration options are differentiated by a configuration variable. The configuration options are selected by initializing a selected peripheral design
15 configuration with the configuration variable, such that the value of the configuration variable determines the selection for that specific instance.